

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

FEE

DP BARCODE No.: 413803; **FILE SYMBOL No.:** 2517-RAL; **PRODUCT NAME:** Sergeant's Fipronil + Etofenprox + Pyriproxyfen BOV Spray for Cats & Dogs; **DECISION No.:** 476897; **PC Code(s):** 129121, 128965, 129032; **ACTION CODE:** R315; **FOOD Use:** No

DATE OUT: February 4, 2014

SUBJECT: End Use Product Chemistry Review
Product Name: Sergeant's Fipronil + Etofenprox + Pyriproxyfen BOV Spray for Dogs & Cats

FROM: Shyam Mathur, Ph. D
Product Chemistry Team Leader
Technical Review Branch/RD (7505P)

S Mathur
02/14/14
JCH

TO: Linda DeLuise / Richard Gebken, RM 10
Herbicide Branch / RD (7505P)

Company Name: Seargent's Pet Care Products Incorporation
Formulation Type: Insecticide

INTRODUCTION:

The registrant has submitted an application to register the new end use product Sergeant's Fipronil + Etofen prox + Pyriproxyfen BOV Spray for Dogs & Cats. The registrant has submitted CSF's for basic formulation and an alternate CSF #1 (both dated March 8, 2013). The supporting product chemistry data have been submitted with MRID No's. 490147-01, 490146-02, 490144-03 and 490144-04. TRB has been asked to determine the acceptability of the proposed basic& alternate CSF's and the supporting cited product chemistry data.

SUMMARY OF FINDINGS:

1. Name of Active Ingredient(s): Fipronil (0.29%), Etofenprox (0.50%) and Pyriproxyfen (0.125%)
2. Has the registrant claimed substantial similarity to a registered product?

[] Yes; [X] No; [] NA; if yes, give the registration number of the cited product.

Reg. No.

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3. All of the source materials of the active ingredient are derived from registered sources: ☒ Yes ☐ No

4. All inert ingredients have been screened by IIAB and found to be approved for the proposed labeled Uses: ☒ Yes; ☐ No

5. Confidential Statement of Formula(s):

☒ Proposed Basic - Dated: 03-08-2013; Resubmitted - Dated:

☒ Proposed Alternate CSF #1 - Dated: 03-08-2013; Resubmitted - Dated:

Alternate CSF(s) complies with 40CFR§152.43: ☒ Yes; ☐ No; ☐ NA

6. Product label

a. Ingredient statement: Nominal concentration of AI listed on CSF(s) concurs with product label (PR Notice 91-2).

☒ Yes; ☐ No; if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs other ingredient)

☒ Yes; ☐ No; if not, explain below:

Metallic equivalent:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> NA
Soluble arsenic:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> NA
Isomeric ratios:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> NA
Acid Equivalent:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> NA;

b. Health related sub statements: Product contains?

Petroleum distillate at > 10%:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
Methanol at > 4%:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
Sodium nitrate/Sodium Nitrite	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA

c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 for flammability, explosive potential or electric insulator breakdown?

☒ Yes; ☐ No

Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?

☐ Yes; ☐ No; ☒ NA; if not, explain below

d. Label requires an additional Storage and Disposal statement:

☐ Yes; ☒ No; if yes explain below:

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7. Group A: Product Chemistry Data

Guideline No.	Study Title	Data submitted		TRB's Assessment of Data	MRID Nos. Cited
		Yes	No		
830.1550	Product Identity & Composition	X		A	490147-01
830.1600	Description of materials used to produce the product	X		A	490147-01
830.1650	Description of formulation process	X		A	490147-01
830.1670	Discussion on the formation of impurities	X		A	490147-01
830.1700	Preliminary analysis				
830.1750	Certified limits (158.350)	Standard certified limits	X		Basic CSF (03-08-13)
		Proposed Limits			
		Justification for wider limits			
830.1800	Enforcement analytical method	X		A	490144-04

8. Group B:

Guideline No.	Study Title	Value or Qualitative Description	TRB's Assessment of Data	MRID Nos.
830.6303	Physical State	Pressurized liquid	A	490144-03
830.6314	Oxidation/reduction	Waiver	A	490146-02
830.6315	Flammability	10.7°C (51.26°F)	A	490144-03
830.6316	Explosibility	Waiver	A	490146-02
830.6317	Storage stability	In progress. Will be submitted on completion	I	490146-02
830.6320	Corrosion characteristics	In progress. Will be submitted on completion	I	490146-02
830.7000	pH	A	5.49 (1% w/w)	490144-03
830.7100	Viscosity	A	3.1 cts @ 20°C 1.8 cts @ 40°C	490144-03
830.7300	Density	A	0.798 g/ml @ 20°C	490144-03

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request, NA = Not applicable, I = In progress

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C. CONCLUSIONS:

The TRB has reviewed the proposed basic CSF and the supporting product chemistry data for the new end use product and has concluded:

1. The proposed CSF's for basic & alternate formulations (both dated 03-08-2013) are acceptable.
2. The product chemistry data submitted corresponding to the guideline 830 series group A and group B are acceptable. The registrant indicated that the studies for the guideline 830.6317 (1year storage stability) and 830.6320 (1 year corrosion characteristics) are in progress and the results will be submitted on completion.